

SEARCH REQUEST FORM

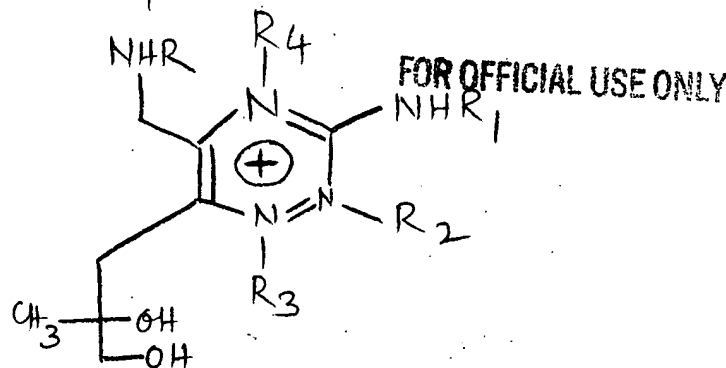
1-319

Requestor's Name: Gupta, Y Serial Number: 07/956,722
Date: 1/24/94 Phone: 4708 Art Unit: 1202

Search Topic:

Please write a detailed statement of search topic. Describe specifically as possible the subject matter to be searched. Define any terms that may have a special meaning. Give examples or relevant citations, authors keywords, etc., if known. For sequences, please attach a copy of the sequence. You may include a copy of the broadest and/or most relevant claim(s).

Please Search for the following
Compounds



Leave R_1 , R_2 , R_3 , and R_4 open

Utility: - used in assay procedure for the detection of advanced glycosylation end products in polypeptide samples.

Thank U

STAFF USE ONLY

Date completed: 1/24/94
Searcher: [Signature]
Terminal time: 10
Elapsed time: _____
CPU time: _____
Total time: 10
Number of Searches: 1
Number of Databases: 4

Search Site
☒ STIC
☒ CM-1
☐ Pre-S
Type of Search
☐ N.A. Sequence
☐ A.A. Sequence
☒ Structure
☐ Bibliographic

Vendors
☒ IG Suite
☒ STN
☐ Dialog
☐ APS
☐ Geninfo
☐ SDC
☐ DARC/Questel
☐ Other

=> fil reg

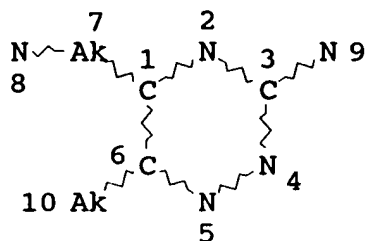
FILE 'REGISTRY' ENTERED AT 07:58:47 ON 25 JAN 94
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STRUCTURE FILE UPDATES: 22 JAN 94 HIGHEST RN 152439-71-9
DICTIONARY FILE UPDATES: 24 JAN 94 HIGHEST RN 152439-71-9

TSCA INFORMATION NOW CURRENT THROUGH 30 JUNE 1993

=> d stat que

L9 STR



NODE ATTRIBUTES:

DEFAULT MLEVEL IS ATOM

DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:

RING(S) ARE ISOLATED OR EMBEDDED

NUMBER OF NODES IS 10

STEREO ATTRIBUTES: NONE

L11 5 SEA FILE=REGISTRY SSS FUL L9

100.0% PROCESSED 5041 ITERATIONS (1 INCOMPLETE)

5 ANSWERS

SEARCH TIME: 00.00.16

=> d ide can 1-5

L11 ANSWER 1 OF 5 COPYRIGHT 1994 ACS

RN 151963-19-8 REGISTRY

CN 1,2-Propanediol, 3-[3-amino-5-[(propylamino)methyl]-1,2,4-triazin-6-yl]-, (S)- (9CI) (CA INDEX NAME)

FS STEREOSEARCH

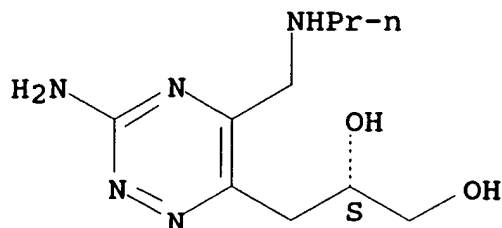
MF C10 H19 N5 O2

SR CA

LC STN Files: CA

DES 1:S

Absolute stereochemistry.



1 REFERENCES IN FILE CA (1967 TO DATE)

REFERENCE 1: CA120(3):31088k

L11 ANSWER 2 OF 5 COPYRIGHT 1994 ACS

RN 83412-82-2 REGISTRY

CN Cyanamide, [5-[2-(hydroxyamino)ethenyl]-6-methyl-1,2,4-triazin-3-yl]methyl-, (Z)- (9CI) (CA INDEX NAME)

FS STEREOSEARCH

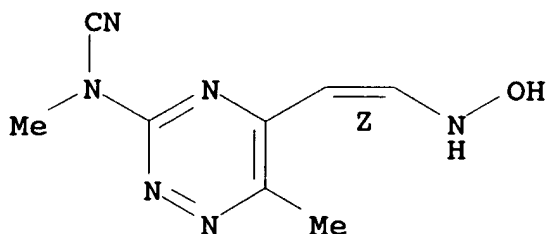
MF C8 H10 N6 O

LC STN Files: BEILSTEIN*, CA

(*File contains numerically searchable property data)

DES 2:Z

Double bond geometry as shown.



1 REFERENCES IN FILE CA (1967 TO DATE)

REFERENCE 1: CA97(21):182368j

L11 ANSWER 3 OF 5 COPYRIGHT 1994 ACS

RN 83412-81-1 REGISTRY

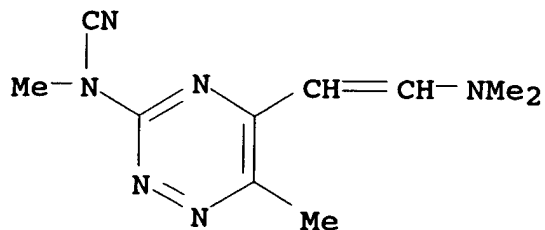
CN Cyanamide, [5-[2-(dimethylamino)ethenyl]-6-methyl-1,2,4-triazin-3-yl]methyl- (9CI) (CA INDEX NAME)

FS 3D CONCORD

MF C10 H14 N6

LC STN Files: BEILSTEIN*, CA

(*File contains numerically searchable property data)



1 REFERENCES IN FILE CA (1967 TO DATE)

REFERENCE 1: CA97(21):182368j

L11 ANSWER 4 OF 5 COPYRIGHT 1994 ACS

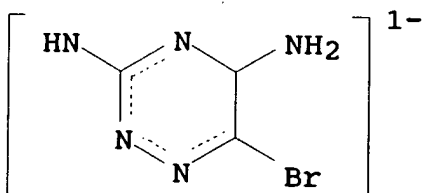
RN 69236-34-6 REGISTRY

ITERATION INCOMPLETE

CN 1,2,4-Triazine-3,5-diamine, 6-bromo-5,?-dihydro-, ion(1-) (9CI) (CA INDEX NAME)

MF C3 H5 Br N5

LC STN Files: CA



*** FRAGMENT DIAGRAM IS INCOMPLETE ***

1 REFERENCES IN FILE CA (1967 TO DATE)

REFERENCE 1: CA90(11):86287s

L11 ANSWER 5 OF 5 COPYRIGHT 1994 ACS

RN 18915-41-8 REGISTRY

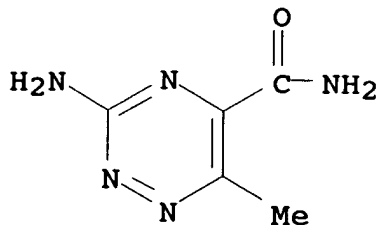
CN as-Triazine-5-carboxamide, 3-amino-6-methyl- (8CI) (CA INDEX NAME)

FS 3D CONCORD

MF C5 H7 N5 O

LC STN Files: BEILSTEIN*, CA

(*File contains numerically searchable property data)



1 REFERENCES IN FILE CA (1967 TO DATE)

REFERENCE 1: CA69(9):36080q

=> fil hca

FILE 'HCA' ENTERED AT 07:59:32 ON 25 JAN 94
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THE CA FILE FOR 1967-PRESENT WITH HOUR-BASED PRICING.
 FILE COVERS 1967 - 8 Jan 94 (940108/ED) VOL 120 ISS 2.

=> s 151963-19-8

L12 1 151963-19-8

=> d bib abs hitrn

L12 ANSWER 1 OF 1 CA COPYRIGHT 1994 ACS

AN CA120(3):31088k CA

TI Mechanism of inhibition of advanced glycosylation by aminoguanidine in vitro

AU Chen, Hauh Jyun Candy; Cerami, Anthony

CS Lab. Med. Biochem., Rockefeller Univ.

LO New York, NY 10021, USA

SO J. Carbohydr. Chem., 12(6), 731-42

SC 33-7 (Carbohydrates)

SX 22

DT J

CO JCACDM

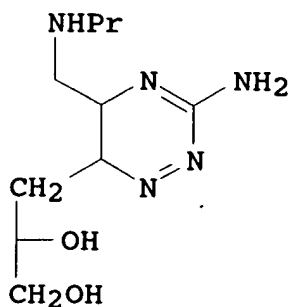
IS 0732-8303

PY 1993

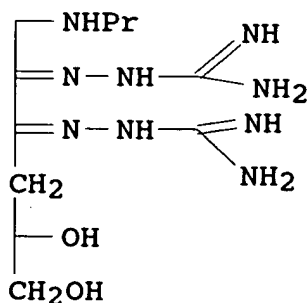
LA Eng

AN CA120(3):31088k CA

GI



I



II

AB A triazine I and a bishydrazone II were isolated from a soln. of aminoguanidine incubated with an Amadori product (1-deoxy-1-propylamino-D-fructose) under physiol. conditions. The new products were characterized by NMR and mass spectrometric anal. The mechanism of the inhibition was proposed to involve the reactive

intermediate 1,4-dideoxy-1-(propylamino)-D- glycero-2,3-hexodiulose (i.e., 1-propylamino-1,4-dideoxyosone). The existence of this intermediate was supported by acetylation and characterization of the product. Formation of a proposed triazine and bis(amidinohydrazone) after the incubation of 1-propylamino-1,4-dideoxyosone with aminoguanidine also supported the proposed mechanism.

IT 26655-34-5P, .alpha.-D-Glucose 151963-17-6P 151963-19-8P
151963-20-1P 151963-21-2P
(prepn. of)

=> fil hcaold

FILE 'HCAOLD' ENTERED AT 08:00:03 ON 25 JAN 94
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PRE-1967 CHEMICAL ABSTRACTS FILE WITH HOUR-BASED PRICING
FILE COVERS 1957-1966
FILE LAST UPDATED: 3 AUG 91 (910803/ED)

=> s 151963-19-8

L13 0 151963-19-8

=> fil hcaprev

FILE 'HCAPREVIEWS' ENTERED AT 08:00:15 ON 25 JAN 94
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PREVIEW FILE FOR THE CA FILE WITH HOUR-BASED PRICING
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FILE LAST UPDATED: 25 JAN 1994 (940125/ED)

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=> s 151963-19-8

L14 0 151963-19-8